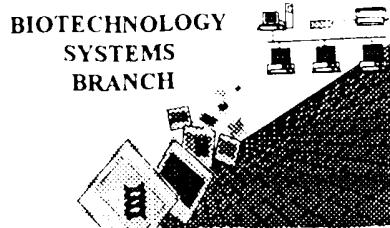


OS-90  
OS-28

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/085,418D  
Source: CME  
Date Processed by STIC: 4/11/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: [robert.wax @ uspto.gov](mailto:robert.wax@uspto.gov) Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202  
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202



OIPE

RAW SEQUENCE LISTING DATE: 2024/01/18  
PARENT APPLICATION: US/10/085,418D TIME: 14:15:48

Input File : A:\pto.vsk.txt  
Output File : N:\CRF4\04012003\J085418D.raw

**SEQUENCE LISTING**

3 (1) GENERAL INFORMATION:

4 (i) APPLICANT: ZENECA LIMITED . . .

5 (ii) TITLE OF INVENTION: GENE SILENCING

6 (iii) NUMBER OF SEQUENCES: 3

7 (iv) CORRESPONDENCE ADDRESS:

8 (A) ADDRESSEE: IP DEPT., ZENECA AGRICHEMICALS

9 (B) STREET: JEALOTTS HILL RESEARCH STATION,

10 (C) CITY: BRACKNELL,

11 (D) STATE: BERKSHIRE

12 (F) ZIP: RG42 6ET

13 (v) COMPUTER READABLE FORM:

14 (A) MEDIUM TYPE: Floppy disk

15 (B) COMPUTER: IBM PC compatible

16 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

17 (D) SOFTWARE: PatentIn Release #1.0, Version #1.15

18 (vi) CURRENT APPLICATION DATA:

C--> 19 (A) APPLICATION NUMBER: US/10/085,418D

C--> 20 (B) FILING DATE: 25-Mar-2003

21 (C) CLASSIFICATION:

22 (vii) ATTORNEY/AGENT INFORMATION:

23 (A) NAME: HUSKISSON, FRANK M

24 (ix) TELECOMMUNICATION INFORMATION:

25 (A) TELEPHONE: 01344 414822

## ERRORED SEQUENCES

RAW SEQUENCE LISTING  
PATENT APPLICATION N: US/10/085,418D

DATE: 4/12/2003  
TIME: 14:00:00

Input File: A:\pto.vsk.txt  
Output File: N:\CRF4\04012003\J085418D.raw

E--> 43 AAATTTGATA GATTCAAGTTT TTATGTTTT AGTGCTGATT ACAACATTGA AATTCTAAAT  
W--> 44 60  
E--> 45 TTAGAATTAA ATATTTATTA AATGTTAGTG CATTATACA AATAACATAT TACATCTCAA  
W--> 46 120  
E--> 47 ATAATATTGA GTTGTAGA TTTTATTGC CCTGATTCT TATCATAAAAT AGGTTTCCT  
W--> 48 180  
E--> 49 TTTAGGAAAA GGTTTGAAT TGACTATTCT TTTTTGGTA GGAAAAGTT TAGGACTCTA  
W--> 50 240  
E--> 51 TAAATAGAGG CATGTTCCCTT CTAACCTAAC TAGCATTAC AATGTAGTTT TAAGGGCTTT  
W--> 52 300  
E--> 53 GAGAGTTTG GTTAGAGGGA GAATTGTGA ACCTCTCATG TATTCCGAGT GAATTGGTTG  
W--> 54 360  
E--> 55 AGGTTGTTTC CCTCTGTATT TTGTAATCTC ATGTTATAG TGGATTGCTC ATTTCCCTTG  
W--> 56 420  
E--> 57 TGGACGTAGG TCGATTGACC GAACCACGTT AAATTTTGT GTCTTTGGT ATATTCCTG  
W--> 58 480  
E--> 59 TTCTCTTAC TCGTGGTCTT TCGAGGTTTG CTTTGCTAGC TTCCCGCTTT ACACCTGCTT  
W--> 60 540  
E--> 61 ATTTCCGGTC CTAACAAGTG GTATCAGAGC CAGATTCAAT AATGGAGTCA GGTGTAGTGG  
W--> 62 600  
E--> 63 TTCGATAATC GATGATTGAA CCAAGTTAGA AAGAGGTGTT CATCTTGACG GGTGTAGTTC  
W--> 64 660  
E--> 65 TAGCCGCAAC CTTTGACA GTAATGAAGA TTTGATGGA GAAATTGTTT CAGAGAGGTT  
W--> 66 720  
E--> 67 CTCTGTGTTG AGACATAAAAT TTTGAAAGG AGATTATGGA GAGGAGAACG AAGTTGTTGA  
W--> 68 780  
E--> 69 AGATTAAGTA AAGAAGGTGG ACAAAATCTAT TTTGTCAGAA ATTCAAGGCCA AGGGGGAGAT  
W--> 70 840  
E--> 71 TTGTTGGGTT TTATTCGCC TGATTTTTA CCATAAAATAG GTTTCCCTT AAGGAAAAGG  
W--> 72 900  
E--> 73 TTTGAATTG ACTATTCTTT TTTGGTAGG AAAAGGTTA GGATTCTATA AATAGAGGCA  
W--> 74 960  
E--> 75 TGTTCCCTCT AACTTAATTA GCATTACAA TGTAGTTTA AGGGCTTGA GAGTTTGTT  
W--> 76 1020  
E--> 77 TAGAGGGAGA ATTGTGAAC CTCTCATGTA TTCCGAGTGA ATTGGTTGAG GTTGTTC  
W--> 78 1080  
E--> 79 TCTGTATTT GTACTCTCAT GTTTATAGTG GATTGCTCAT TTCCCTTGAG GACGTAGGTC  
W--> 80 1140  
E--> 81 GATTGACCGA ACCACGTTAA ATCTTGTGT CTTTGTTAT ATTCTCGTT GTCTCTTAC  
W--> 82 1200  
E--> 83 TCGTGGTCTT TCGAGGTTTG CTTTGCTAGC TTCCCGCTTT ACACCTGCTT ATTTGCGGTC  
W--> 84 1260  
E--> 85 CTAACAGAGT TCGATGGTTT GAATCTATAA AAAGAAAAAT ATACTCGTGA TTCACGATTA  
W--> 86 1320  
E--> 87 TTATATGAA AATATAATAA ATATTGAATT TCCTTGCTA TTTCTTATGT TTACGTCTT  
W--> 88 1380  
E--> 89 ATATTCAAA TTATTCCACC AATACTGACA AGCCCTAGGC CATCTCTAGG AAATTCATAC  
W--> 90 1440  
F--> 91 AATTTTTTTT TTGTTCTTAA CTACTTAAAT TCCCAAGGCTT AAACATTATT CTAAATTC

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003  
TIME: 14:11:17

Input File: A:\pto.vsk.txt  
Output File: N:\CRF4\04012003\J085418D.raw

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W--> 92 1500
E--> 93 AGGCAACTTC CTCAAGTACT ACAACTACAT TGTAACATCC CAGTCAAAGT GTCCTAAAAT
W--> 94 1560
E--> 95 TTATAAAAAT TTGACACATG AAACAATAGC ACAATAAATT TTAGTACTAT TGCAGCCATG
W--> 96 1620
E--> 97 GCCCATAAGC CATCATGTAT TATAGTCAAA ATGGGTCTT TTCCAATTG TCTTGATCCC
W--> 98 1680
E--> 99 AAAATCCCTT TGTAGGTAAG ATGGTTAAC AAGGAACATAT GACTCTTAAG GTAGACTTGG
W--> 100 1740
E--> 101 ACTCATAGAC TTGTCATAAC TCATAAAGAC TTGGAATATA ATAATTATTC ATTAAATTA
W--> 102 1800
E--> 103 TAATTCTCTA CTTTAATATC TTCTACTATA AATACCCTT CAAAGCCTCA TTATTTGTAC
W--> 104 1860
E--> 105 ATCAAACATT GATATTCATC TCTTCAATCT TTTGTATTCA CATATTCTAT TTATTCAATA
W--> 106 1920
E--> 107 CACTTAGGAA AACACTTAC CAAGAAATTAGATGGAGAA CTTCCCAATT ATTAACATTGG
W--> 108 1980
E--> 109 AAAAGCTCAA TGGAGATGAG AGAGCCAACA CCATGGAAAT GATCAAAGAT GCTTGTGAGA
W--> 110 2040
E--> 111 ATTGGGGCTT CTTTGAGGTA ATCATAAATT ACATAAACAT ATTAATATGT TTGTTCAAT
W--> 112 2100
E--> 113 TTATCAGTCA TACTTTCTC TGTTTAAAAA TTAATGTCAC TTTCAATATT TAATAATTG
W--> 114 2160
E--> 115 CATGACATGT TTATAACACA ACAAGATATA GGTTACATT TGATACATTA TATATAACTT
W--> 116 2220
E--> 117 CTGTCACACG ACTCAAAAGT CTTCTTAAT TTCTTGAATT CAATGATCGA TCAAACAAAG
W--> 118 2280
E--> 119 ACACGTAAAA TGAAACGGGG AATAGTAATT CTGTTGCTT ATGTGATCAT TGTAGTTGGT
W--> 120 2340
E--> 121 GAACCATGGA ATTCCACATG AAGTAATGGA CACAGTAGAG AAAATGACAA AGGGACATTA
W--> 122 2400
E--> 123 CAAGAAGTGC ATGGAACAGA GGTTTAAGGA ACTAGTGGCA AGTAAGGGAC TTGAGGCTGT
W--> 124 2460
E--> 125 TCAAGCTGAG GTTACTGATT TAGATTGGGA AAGCACTTTC TTCTTGCGCC ATCTTCCTAC
W--> 126 2520
E--> 127 TTCTAATATC TCTCAAGTAC CCGATCTTGA CGAAGAACATAC AGGTACATAC ATGTGTCCTA
W--> 128 2580
E--> 129 CATATTGCGT ATATAATAAA TAAACACAAA ATTTAAGTTA TATACGCTGA CAGTATAACT
W--> 130 2640
E--> 131 AATTATAATG TTGTACCAAA TGATGCAGAG AGGTGATGAG AGATTTGCT AAAAGATTGG
W--> 132 2700
E--> 133 AGAAATTGGC TGAGGAGTTA CTTGACTTAC TCTGTAAAAA TCTTGGACTT GAAAAAGGTT
W--> 134 2760
E--> 135 ACTTGAAAAA TGCCTTTAT GGATCAAAG GTCCCAACTT TGGTACTAAA GTTAGCAACT
W--> 136 2820
E--> 137 ATCCACCATG TCCTAAGCCC GATTTGATCA AGGGACTCCG CGCTCATACA GACCGAGGAG
W--> 138 2880
E--> 139 GCATCATACT TCTGTTCCAA GATGACAAAG TGAGTGGCCT TCAACTCCTC AAAGACGAGC
W--> 140 2940

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418D

DATE: 04-10-2003

TIME: 14:16:17

Input file: A:\pto.vsk.txt  
Output file: N:\CRF4\04012003\J085418D.raw

E--> 141 AATGGATCGA TGTCCTCCCC ATGCGCCACT CTATTGTGGT TAACCTTGGT GACCAACTTG  
W--> 142 3000  
E--> 143 AGGTACAAGA TTCACTAAGT GTGTGTGTTT TTATCACTAT AACCTAGAAG TAGTAACTAA  
W--> 144 3060  
E--> 145 AAATGGTATT AATGAAATGT TATAAAAACA GGTGATCACT AACGGGAAGT ACAAGAGTGT  
W--> 146 3120  
E--> 147 GCTGCACAGA GTAATTGCAC AAACAGACGG GACACGAATG TCATTAGCCT CATTACAA  
W--> 148 3180  
E--> 149 TCCAGGAAGT GATGCAGTAA TATATCCAGC AAAAACTTTG GTTGAAAAAG AGGCAGAGGA  
W--> 150 3240  
E--> 151 AAGTACACAA GTGTATCCAA AGTTTGTGTT TGATGATTAC ATGAAGTTAT ATGCTGGACT  
W--> 152 3300  
E--> 153 CAAGTTCAA GCCAAAGAGC CAAGATTGA AGCAATGAAG GCAATGGAAA GTGATCCAAT  
W--> 154 3360  
E--> 155 TGCAAGTGCT TAGATCCAA TTCAATTAAA AAAATTGGTG TTTGAAAAAT ATATTAAAT  
W--> 156 3420  
E--> 157 ATAGCAATCT ATGTATACAC ATTATTTGCT CTTCTTATGT ATGGTAGAAT AAAGTTAGTA  
W--> 158 3480  
E--> 159 TTAAAAAAGA TTGTGATTTG CTGCATATGT ATCAAAAAGA GTCCTAATAT TTGTATCTAT  
W--> 160 3540  
E--> 161 AAATAAGGTG CCTCTAGTG AAATTATACA AATAATAATT TGGAGTGTAT TGTCTTTCT  
W--> 162 3600  
E--> 163 CATGTAATT AACTTTAAG TATCTTACTT TACAATATAC TGTTCACTTA TTGAACATAT  
W--> 164 3660  
165 TGAGTGATAT ATTGACTCAA T 3681

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418D

DATE: 4/12/2003

TIME: 14:17:34

Input file : A:\pto.vsk.txt

Output file: N:\CRF4\04012003\J085418D.raw

L:0 M:10 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:0 M:10 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:0 M:10 C: Mandatory Header Field missing, [(C) COUNTRY:] of 'US' (US)  
L:43 M:334 E: No. of Pages certified, Impair. Counter:60 SEQ:1  
L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
M:154 reported in Section I  
L:46 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:50 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
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L:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
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L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:66 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:68 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:72 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
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L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:80 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:82 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:84 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:88 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:92 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:96 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:98 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:100 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:104 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
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L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:112 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:116 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:120 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:122 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:124 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:128 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

## VERIFICATION SUMMARY

PATENT APPLICATION #: US/10/085,418D

DATE: 4/16/03

TIME: 14:16:14

Input File : A:\pto.vsk.txt  
Output File : N:\CRF4\04012003\J085418D.raw

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L:131 M:-87 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:134 M:-88 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:136 M:-89 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:138 M:-90 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:140 M:-91 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1  
L:141 M:-92 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1